The dataset I chose was named “Zoo.” This data set included a total of 18 different attributes and 101 instances. One of the 18 attributes in this dataset was the “type” of animal. This was the attribute I was trying to find with the different model outputs. There is a total of 7 different values for the attribute “type.”

**ZeroR (baseline test)**

Correct: 41 (40.59%)

Incorrect: 60 (59.41%)

**NativeBayes (Bayes)**

Correct: 96 (95.05%)

Incorrect: 5 (4.95%)

**MultilayerPerceptron (Function)**

Correct: 97 (96.04%)

Incorrect: 4 (3.96%)

**AttributeSelectedClassifier (Meta)**

Correct: 94 (93.07%)

Incorrect: 7 (6.93%)

**JRip (rules)**

Correct: 88 (87.13%)

Incorrect: 13 (12.87%)

**LMT (Trees)**

Correct: 95 (94.06%)

Incorrect: 6 (5.94%)

Out of the five different model outputs I tried, Multilayer Perceptron was the most accurate, however, it took the most time to complete. Native Bayes was also very accurate and took a lot less time to complete. Native Bayes was also easier to understand. For this data set I likes the Bayes models because they are all fairly accurate and easy to understand, they also don’t take very long to execute. All of the models I ran all got better results then the ZeroR test.